

IN THE SPECIFICATION:

The specification as amended below with replacement paragraphs shows added text with underlining and deleted text with ~~strikethrough~~.

Please REPLACE paragraph [0001] on page 1 of the Substitute Specification filed on January 17, 2006, with the following amended paragraph:

[0001] This application ~~claims the benefit is~~ a U.S. national stage application of PCT International Patent Application No. PCT/KR2004/001696, filed on July 9, 2004, and claims the benefit of Korean Patent Application No. 2003-48307, filed on July 15, 2003, in the Korean Intellectual Property Office, the disclosures of which are incorporated herein by reference in their entirety.

Please REPLACE paragraph [0002] on page 1 of the Substitute Specification filed on January 17, 2006, with the following amended paragraph:

[0002] Aspects of the present invention relate to an optical disc ~~record/playback~~ recording/reproducing apparatus and method, and more particularly, to a track jump apparatus and method which perform track jumping in consideration of a position of a pickup and a position of a lens of the pickup with respect to an optical recording medium in a system with eccentricity.

Please REPLACE paragraph [0005] on page 1 of the Substitute Specification filed on January 17, 2006, with the following amended paragraph:

[0005] FIG. 1A is a block diagram of a conventional servo system for performing a track jump, and FIG. 1B is a block diagram of the optical pickup shown in FIG. 1A.~~1A.~~

Please REPLACE paragraphs [0008] and [0009] on page 2 of the Substitute Specification filed on January 17, 2006, with the following amended paragraphs:

[0008] If a track jump is performed while tracking the optical disc 100, the servo 103 cuts off the error compensation signal output to the driver 104 and outputs a kick voltage to the driver 104. Then, the servo 103 calculates a target track to be jumped to and sets an output time of a break-brake voltage. When the pickup 101 arrives at the target track, the servo 103 outputs the break-brake voltage to the driver 104.

[0009] A description of a track jump in a servo system is disclosed in U.S. Pat-Patent No. 6,226,246, ~~6,226,246~~.

Please REPLACE paragraph [0028] on page 6 of the Substitute Specification filed on January 17, 2006, with the following amended paragraph:

[0028] However, if the pickup 201 performs a track jump while tracking a track, the controller 203-4 cuts off the error compensation signal output to the driver 204. Then, the controller 203-4 determines a track position of a lens of the pickup 201 by monitoring the digital error signal output from the ADC 203-1. The controller 203-4 stores a reference range for outputting a kick voltage and a break-brake voltage to the driver 204 in order to move the pickup 201 when a track jump is performed. The controller 203-4 judges whether a current track position of the lens of the pickup 201 is within the reference range.

Please REPLACE paragraphs [0030] and [0031] on page 6 of the Substitute Specification filed on January 17, 2006, with the following amended paragraphs:

[0030] However, if the track position of the lens of the pickup 201 exceeds the reference range, that is, where the position of the lens of the pickup 201 is far from the track center, the controller 203-4 cuts off the kick voltage to the driver 204 and waits. Then, if a current track

position of the lens of the pickup 201 is within the reference range, that is, where the position of the lens of the pickup 201 is around the track center, the controller 203-4 performs a track jump by ~~conducting-outputting~~ the kick voltage to the driver 204.

[0031] The controller 203-4 calculates a target track to be jumped to and sets an output time of the ~~break-brake~~ voltage. When the pickup arrives at the target track, the controller 203-4 ~~conducts-outputs~~ the ~~break-brake~~ voltage to the driver 204.

Please REPLACE paragraph [0037] on page 7 of the Substitute Specification filed on January 17, 2006, with the following amended paragraph:

[0037] The controller 203-4 judges in operation 304 whether the position of the pickup 201 exceeds a reference range. The controller 203-4 stores a range of values for providing a kick voltage and a ~~break-brake~~ voltage to the driver 204 in order to move the pickup 201 when a track jump is performed.

Please REPLACE paragraphs [0039] and [0040] on page 7 of the Substitute Specification filed on January 17, 2006, with the following amended paragraphs:

[0039] The controller 203-4 judges whether the track position of the pickup 201 is within the reference range. If a track position of the lens of the pickup 201 is within the reference range in operation 306, that is, in a case where the position of the lens of the pickup 201 is around the track center, the controller 203-4 ~~conducts-outputs~~ the kick voltage to the driver 204 in operation 307.

[0040] After the kick voltage has been ~~conducted-output~~ to the driver, the controller 203-4 calculates a target track to be jumped to and determines an output time of the ~~break-brake~~ voltage in operation 308. When the pickup 201 arrives at the target track, the controller 203-4 ~~conducts-outputs~~ the ~~break-brake~~ voltage to the driver 204 in operation 309.